

DETAILED ACTION

1. Claims 1-8 are pending.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
3. Authorization for this examiner's amendment was given in a telephone interview with David H. Judson on November 18, 2009 and clarifies the claim so as to avoid any 35 U.S.C. 112 second paragraph issues.

Claim 1 has been amended as follows (underlined text indicates additions; struck through and double bracketed text indicates deletions):

1. (currently amended) A method for Internet content delivery, comprising:
establishing a content delivery network at network locations, the content delivery network comprising a [[set]] plurality of content servers for serving content resources, wherein ~~a subset of the set~~ the plurality of content servers includes a plurality of subsets of content servers, each subset [[is]] located at one of a plurality of [[an]] Internet data centers;
for each Internet Protocol (IP) address block from which requests for content resources are expected to be received, generating a candidate list of

Internet data centers to be used to service the requests for content resources, wherein the candidate list of Internet data centers is generated using (i) geographic information from one or more Internet registry databases identifying a geographic location of the IP address block, (ii) BGP route information collected from BGP peers participating in BGP (BGP) sessions, (iii) autonomous system (AS) information, and (iv) data collected from one or more network performance metric tests; and;

for the IP address block, selecting at least one of the Internet data centers from the candidate list to be used to service the requests for content resources, wherein the selected Internet data center is written into a network map, and wherein the selecting step is carried out concurrently for each IP address block from which requests for content resources are expected to be received such that the network map comprises the selected Internet data center for each IP address block;

providing the network map to a domain name service (DNS) associated with the content delivery network; and

in response to a DNS query received at the domain name service associated with the content delivery network, using the network map to identify [[an]] one of the Internet data centers from the candidate list to be used to service a request for a content resource.

Allowable Subject Matter

4. Claims 1-8 are allowed.
5. The following is an examiner's statement of reasons for allowance: The prior art fails to disclose or suggest all limitations of the claimed invention with particular emphasis on for each Internet Protocol (IP) address block from which requests for content resources are expected to be received, generating a candidate list of Internet data centers to be used to service the requests for content resources, wherein the candidate list of Internet data centers is generated using (i) geographic information from one or more Internet registry databases identifying a geographic location of the IP address block, (ii) BGP route information collected from BGP peers participating in BGP (BGP) sessions, (iii) autonomous system (AS) information, and (iv) data collected from one or more network performance metric tests; and, for the IP address block, selecting at least one of the Internet data centers from the candidate list to be used to service the requests for content resources, wherein the selected Internet data center is written into a network map, and wherein the selecting step is carried out concurrently for each IP address block from which requests for content resources are expected to be received such that the network map comprises the selected Internet data center for each IP address block;
6. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should

preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thomas J. Dailey whose telephone number is 571-270-1246. The examiner can normally be reached on Monday thru Friday; 9:00am - 5:00pm.
8. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thu Nguyen can be reached on 571-272-6967. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.
9. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/T. J. D./
Examiner, Art Unit 2452

/THU NGUYEN/
Supervisory Patent Examiner, Art Unit 2452